Technical Data Sheet

Moplen EP240H

Polypropylene, Impact Copolymer

Product Description

Moplen EP240H is a nucleated heterophasic copolymer used in injection moulding as well as for thermoforming applications.
It exhibits excellent low temperature impact strength combined with a good processability.
Moplen EP240H is typically used by customers for crates and thermoformed margarine tubs.

This grade is not intended for medical and pharmaceutical applications.

Application	Crates; Opaque Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding; Thermoforming
Attribute	Good Processability; Impact Copolymer; Low Temperature Impact Resistance; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	2	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1000	MPa	ISO 527-1, -2
Tensile Stress at Yield	23	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	8	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	80	kJ/m²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	12	kJ/m²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	8	kJ/m²	ISO 179
Ductile/Brittle Transition Temperature	<-50	°C	ISO 6603-2
Thermal			
Vicat Softening Temperature, (A/50)	148	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	75	°C	ISO 75B-1, -2